TARNOK, Ivan, dr.; SZABO, Istvan, dr.; CZANIK, Pal, dr.

Use of domestic hemoglobin contaminated by albumin in culture media
for M. tuberculosis. Tuberkulosis 14 no.8:252-254 Ag '61.

1. As Orssagos "Koranyi" Tbc Inteset (Igasgato: Bossormenyi Miklos dr
kandidatus, tudomanyos vezeto: Foldes Istvan dr. kandidatus) Diagnossti-
kai Laboratoriumanak (Vasato: Szabo Istvan dr. kandidatus) kozlemenye.

(MICOBACTERIUM TUBERCULOSIS culture)
(HEMOGLOBIN)

KERTAY, Nandor, dr.; TARNOK, Ivan, dr.; FODOR, Tamas, dr.

The effect of desoxyribonucleic acid on tuberculosis in guinea pigs
following percutaneous infection. Tuberkulozis 16 no.1:23-25 Ja '63.

1. Az Orszagos Koranyi Tbc Intezet (igazgato: Boszormenyi Miklos
dr. kandidatus; tudomznyos vezeto: Foldes Istvan dr. kandidatus)
Mikrobiologiai osztalyanak (vezeto: Kertay Nandor dr. kandidatus)
es Diagnosztikai Laboratoriumanak (vezeto: Szabo Istvan dr. kandidatus)
kozlemenye.

        (DNA)   (TUBERCULOSIS, PULMONARY)

FODOR, Tamas, dr.; TARNOK, Ivan, dr.; CZANIK, Pal, dr.

Sources of error in the determination of drug resistance of
tuberculosis bacteria. Tuberkulozis 16 no.9:260-263 S '63.

1. Az Orszagos Koranyi Tbc Intezet (igazgato: Boszormenyi
Miklos dr. kandidatus, tudomanyis igazgato: Foldes Istvan dr.
kandidatus) Mikrobiologiai osztalyanak (vezeto: Kertay Nandor
[deceased] dr. kandidatus) es Diagnosztikai Laboratoriumanak
(vezeto: Szabo Istvan dr.) kozlemenye.
     (MYCOBACTERIUM TUBERCULOSIS)
     (DRUG RESISTANCE, MICROBIAL)
     (ISONIAZID)   (STREPTOMYCIN)
     (AMINOSALICYLIC ACID)

TARNOK, I.

Serological activity of mycobacterial desoxyribonucleic acid preparations. I. Effect of purification and heating on the complement fixation by desoxyribonucleic acid. Acta microbiol. acad. sci. Hung. 11 no.1:7-17 '64.

1. National Institute for Tuberculosis "Koranyi" (Scientific director: I. Foldes), Budapest.

DEMENY, Eva, dr.; TARNOK, Ivan, dr.

Tuberculin registry of the child population as reflected in the results of prevaccination screenings. Gyermekgyogyaszat 15 no.4:113-119   Ap'64

1. Az Orszagos Koranyi Tbc Intezet (Igazgato foorvos: Boszormenyi, Miklos, dr. kand.; tudomanyos igazgato: Foldes, Istvan, dr. kand.) kozlemenye.

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Drawing apparatus in the flax industry.   p. 156.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
                                                        Uncl.

TARNCKY, F.

TARNCFY, F. Warping and smoothing of linen yarn. p. 33C.

No. 10, Oct. 1955.
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TECHNOLCGY
Budapest, Hungary

So: East European Accessicn, Vol. 5, No. 5, May 1956

TARNOKY, Ferenc

Situation of the Spanish textile industry. Magy textil 13 no.6:256-257
Je '61.

1. Textilipari Kutato Intezet, es "Magyar Textiltechnika" szerkeszto
bizottsagi tagja.

ZILAHI, Marton, dr.; TARNOKY, Ferenc

Research achievements of the Soviet Union's bast fiber industry. Magy
textil 13 no.4:142-149 Ap '61.

1. Textilipari Kutato Intezet, Budapest, es "Magyar Textiltechnika"
szerkeszto bizottsagi tagjai.

TARNOKY, Ferenc

Manufacturing mixed jute yarns. Magy textil 13 no.7:283-287 Jl '61.

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TARNOKY, Ferenc

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mation in the flax-hemp weaving industry. Magy textil 15
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1. Textilipari Kutato Intezet; "Magyar Textilitechnika"
szerkeszto bizottsagi tagja.

TARNOKY, Ferenc

Application of electric heddle lamellas in flax weaving mills.
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1. Textilipari Kutato Intezet; "Magyar Textiltechnika" szerkeszto
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TARNOKY, Ferenc

The 4th Hannover International Fair of Textile Machinery.
Musz elet 18 no.25:6 5 D '63.

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The 4th International Exhibition of Textile Machines, Hannover,
1963. Magy textil 16 no.1:44-46 Ja'64.

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   szerkeszto bizottsagi tagja.

TARNOKY, Ferenc

Is there any manpower shortage in the light industry? Magy
textil 17 no.1:45-46 Ja '65.

1. Editorial Board Member, "Magyar Textiltechnika."

TARNOKY, Ferenc

Stretch of bast fiber yarns. Magy textil 17 no.2:60-63 F '65.

1. Research Institute of the Textile Industry, Budapest, and
Editorial Board Member, "Magyar Textiltechnika."

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Impressions and experiences obtained in a study tour of the
United States in the spring 1964. Magy textil 17 no.4:186-
187 Ap '65.

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Complexometric etermination of calcium and magnesium. Kiserletes
Orvostudomany 11 no.4:440-443 August 1959.

1. Szegedi Orvostudomanyi Egyetem I. sz. Sebeszeti Klinikaja.
        (CALCIUM, urine)
        (MAGNESIUM, urine)

TARNOKY, Klara; KOVACS, Gabor

A simple method for the determination of serum albumin level.
Kiserletes Orvostud. 12 no.5:499-501 O '60.

1. Szegedi Orvostudomanyi Egyetem I. sz. Sebeszeti Klinikaja.
    (SERUM ALBUMIN pharmacol)

TARNOKY, Klara

Effect of heparin and protamine sulfate on the thymol turbidity
reaction. Kiserletes orvostud. 13 no.4:400-406 Ag '61.

1. Szegedi Orvostudomanyi Egyetem I. sz. Sebeszeti Klinikaja.

(HEPARIN pharmacol)   (PROTAMINES pharmacol)
        (LIVER FUNCTION TESTS)

TARNOKY, Klara

Effect of heparin and protamine on fibrinogen precipitation. Kiserl.
orvostud. 13 no.6:633-640 D '61.

1. Szegedi Orvostudomanyi Egyetem I sz. Sebeszeti Klinikaja.

(FIBRINOGEN)   (HEPARIN pharmacol)
(PROTAMINES pharmacol)

HUNGARY

TARNOKY, Klara, NAGY, Sandor; Medical University of Szeged, I, Surgical
Clinic and Institute for Surgical Technique (Szegedi Orvostudomanyi Egye-
tem I. sz. Sebeszeti Klinika es Sebeszeti Mutettani Intezet).

"Determination of Glycogen by Means of o-Toluidine."

Abstract: [Authors' Hungarian summary] A method is described for the
determination of the glycogen content of tissues. After trichloroacetic
acid extraction, precipitation in alcohol and sulfuric acid hydrolysis,
o-toluidine is added and the color determined photometrically. The method
is simple, reliable and sensitive. 2 Hungarian, 12 Western references.

NAGY, Sandor; TARNOKY, Klara; PETRI, Gabor

Effect of a water-soluble corticosteroid-analogue in experimental
hemorrhagic shock. Kiserl. orvostud. 15 no.6:649-657 D '63.

1. Szegedi Orvostudomanyi Egyetem Sebeszeti Mutettani Intezet
es I sz. Sebeszeti Klinikaja.
             (SHOCK, HEMORRHAGIC)
             (ADRENAL CORTEX HORMONES)
             (PHARMACOLOGY)

HUNGARY

HOROS, Mihaly, Dr, DARMIKY, Klara, Dr, VIPSCOVKY, Csaba, Dr, RAK, Kalman,
Dr; Medical University of Szeged, I. Surgical Clinic, II. Surgical Clinic,
and I. Medical Clinic (Szegedi Orvostudomanyi Egyetem, I. Sebeszeti
Klinika, II. Sebeszeti Klinika es I. Belklinika).

"Cryofibrinogenemia and Pathologically High Fibrinolysis in Prostate
Carcinoma."

Budapest, Orvosi Hetilap, Vol 104, No 11, 17 Mar 1963, pages 505-511.

Abstract:[Authors' Hungarian summary] Severe hematoma-type hemorrhage
developed after a hernia operation on a patient with prostate carcinoma
and extensive bone metastases. Tests showed hypofibrinogenemia and a
pathologically high protein and fibrinolysis. Cryofibrinogenemia was
also present. Prednisone and ACTH did not influence the case significant-
ly. Syntestrin was beneficial. In discussing this rare form of hemor-
rhage, the authors present a literature survey as well. 20 Western, 2
Eastern, European references.

2/1

NAGY,S.; TARNOKY, Klara; TANOS, B.; PETRI, G.

Fluid, protein and cell shifts after haemorrhage in cortico-
steroid- and noradrenaline-treated dogs. Acta physiol. Acad.
sci. Hung. 25 no.3:265-275 '64

1. Institute of Experimental and Operative Surgery and First
Department of Surgery, University Medical School, Szeged.

NAGY, S.; TARNOKY, Klara; PETRI, G.

Cardiac output of bled dogs after intravenous administration of
corticosteroids. Acta physiol. acad. sci. Hung. 27 no.3:257-264
'65.

1. Institue of Experimental Surgery and First Department of
Surgery, University Medical School, Szeged.

L 15463-66
ACC NR: AT6007418   SOURCE CODE: HU/2505/65/026/00X/0034/0034

AUTHOR: Tarnoky, Klara; Nagy, S.; Petri, G.

20
B+1

ORG: I. Department of Surgery, Institute of Experimental and Operative Surgery, Medical University of Szeged (Szegedi Orvostudomanyi Egyetem, Kiserleti Sebeszeti es Mutettani Intezet, es I. Sebeszeti Tanszek)

TITLE: Effect of corticosteroids on cardiac output and vascular resistance in dogs following blood loss [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

TOPIC TAGS: corticosteroid, circulatory system, dog, blood pressure, animal physiology, pharmacology, drug effect

ABSTRACT: In order to explain some earlier findings, according to which the administration of a steroid in the oligemic phase of hemorrhagic shock was followed by a significant rise in blood pressure, the changes in cardiac output and peripheral vascular resistance brought about by the drug have been studied in the present experiments.

Card 1/2

L 15463-66

ACC NR: AT6007418

Dogs under light anesthesia were bled by the "reservoir technique". Follow-
ing the hemorrhage, the cardiac output dropped significantly and the peri-
pheral resistance increased. A group of 14 dogs was then treated with a
placebo, another group of 15 dogs with a water-soluble corticoid
analogue,   and a third group of 11 dogs with aldosterone. The
cardiac output increased in the second group and remained virtually un-
changed in the other two groups. Following re-infusion of the blood lost,
the cardiac output increased and peripheral resistance decreased in all three
groups. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 2/2

L 13506-66

AUTHOR: Nagy, Sandor--Nad', Sh.; Tarnoky, Klara--Tarnoki, K.; Petri, Gabor   /5

ORG: Medical University of Szeged, Institute of Surgical Technique and I.
Surgical Clinic (Szegedi Orvostudomanyi Egyetem, Sebeszeti Mutettani Intezet
es I. sz. Sebeszeti Klinika)

TITLE: Minute volume and circulatory resistance of dogs suffering from loss of
blood following intravenous injection of corticosteroids

SOURCE: Kiserletes orvostudomany, v. 17, no. 3, 1965, 258-262

TOPIC TAGS: endocrinology, hormone, animal physiology, dog, cardiovascular
system, corticoid, corticosteroid

ABSTRACT: Under light nembutal anesthesia, 40
dogs were bled by the reservoir technique. The average final loss of blood
was 43.1 ml/kg. As compared to the initial value, the minute volume dropped
considerably after the loss of blood and the peripheral resistance increased.
At this stage, 1 group (14 dogs) was given a placebo (10 ml of 5 per cent
glucose), another group (15 dogs) was given a water soluble corticoid analogue
(15 ml/kg) and a third group (11 dogs) received aldosterone (300 µg/kg). An
increase in the minute volume was observed in the second group without any

Card 1/2

L 13506-66

ACC NR: AP6007040

significant change in the other two groups. Following re-infusion of the
withdrawn blood, the minute volume increased in every group and the peripheral
resistance dropped.   The authors thank the Pharmaceutical Factories for making
the Steroid available and also Koszo Rozsa and Mader Maria for technical
assistance. Orig. art. has: 2 tables. /JPRS/

SUB CODE: 06 / SUBM DATE: 10Jul64 / ORIG REF: 003 / OTH REF: 019

Card 2/2 OR

NAGY, S.; TARNOKY, Klara; PETRI, G.

Adjustment of the circulation to haemorrhage in dogs during sympathetic nervous blockade. Acta physiol. acad, sci. Hung. 28 no.4:379-387 '65.

1. .Institute of Experimental Surgery and First Department of Surgery, University Medical School, Szeged. Submitted December 30, 1964.

L 28997-66
ACC NR: AT6019378   SOURCE CODE: HU/2505/65/027/003/0257/0264
AUTHOR: Nagy, Sandor; Tarnoky, Klara; Petri, Gabor
ORG: Institute of Experimental Surgery and I. Surgical Clinic, Medical University
of Szeged(Szegedi Orvostudomanyi Egyetem, Sebeszeti Mutettani Intezet es I. sz.
Sebeszeti Klinika)

TITLE: Cardiac output of hemorrhaged dogs after intravenous administration of
corticosteroids /This paper was presented at the 29th Meeting of the Hungarian
Physiological Society held in Szeged on 2 July 1964.7

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 3, 1965,
257-264

TOPIC TAGS: drug effect, corticosteroids, blood circulation, dog

ABSTRACT: Forty dogs under superficial pentobarbital anesthesia were bled by the
"reservoir technique". The mean bleeding volume at the end of the bleeding was 43.1
ml/kg. Following the bleeding, cardiac output fell considerably as compared
to the initial value and peripheral resistance increased. At this time,
one group of 14 dogs received a placebo (10 ml 5 per cent glucose), another
group of 15 dogs received a water-soluble corticoid analogue (15 ml/kg),
and a third group consisting of 11 dogs were given aldosterone (300 µg/kg).
A rise in cardiac output was observed in the second group; no significant
change in cardiac output was noted in the other two groups. After re-
infusion of the blood, cardiac output rose and peripheral resistance decreased
in every group. The water-soluble was supplied by Richter Pharmaceutical Works,
Budapest. The authors thank Miss Rozsa Koszo and Miss Maria Mader for skillful
technical assistance. Orig. art. has: 4 tables. /Orig. art. in Eng.7 /JPRS7
SUB CODE: 06 / SUBM DATE: 08Jul64 / ORIG REF: 002 / OTH REF: 019

Card 1/1   BLG

L 30058-66

ACC NR: AT6020342   SOURCE CODE: HU/2505/65/028/004/0379/0387

26
B+1

AUTHOR: Nagy, Sandor; Tarnoky, Klara; Petri, Gabor

ORG: First Department of Surgery, Institute of Experimental Surgery, University Medical School, Szeged (Orvostudomanyi Egyetem Sebeszeti Mutettani Intezete es I. sz. Sebeszeti Klinikaja)

TITLE: Adjustment of circulation to hemorrhage in dogs during sympathetic nervous blockade

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 28, no. 4, 1965, 379-387

TOPIC TAGS: dog, autonomic nervous system

ABSTRACT: Phenoxybenzamine-induced sympathetic nervous blockade in dogs was associated with diminished resting cardiac output, increased arterio-venous oxygen difference and smaller bleeding volumes at a given blood pressure. Mean circulatory hematocrit before bleeding was lower in the blocked animals and no significant decrease in the F-cell factor was observed after bleeding. Sympathetic activity is beneficial in the acute stage of rapid hemorrhage. The authors thank Dow Corning Center for Aid to Medical Research, Midland, Mich., U.S.A. for supplying the silicon rubber catheter, Smith, Kline and French Laboratories, Welwyn, Garden City, Herts, England for phenoxygenzamine, Miss Rózsa Kószó and Miss Mária Máder for technical assistance. Orig. art. has: 6 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: 30Dec64 / ORIG REF: 003 / OTH REF: 017

Card 1/1

TARNOPOL'SKAYA, A. M.

Tarnopol'skaya, A. M.   "Treatment of chronic periodontitis," Trudy Kazansk. pos. stomatol. in-ta, Issue 2, 1949, p. 219-226, - Bibliog; 19 items

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

C A

C A

Content of sugar and lactic acid in saliva of children with healthy and multiple-carious teeth. S. I. Vols and L. A. M. Lutuuud'skaya (Kazan Med. Stomatol. Inst.). Stomatologiyu 1951, No. 1, 25-7. Children with multiple-carious teeth show in their saliva (taken before meals) a level of sugar and lactic acid that is 3 times that shown by children without caries. Individual variations are large.

G. M. Kondapoff

TARNOPOL'SKAYA, R. V.

"On the Tomsk City Sanitary-Epidemiological Laboratory in epidemiological work,"
was a report given at an interoblast scientific-practical conference on problems
of laboratory diagnosis of infectious diseases was held at the Tomsk Scientific
Research Institute of Vaccines and Sera, 12-16 March 1956.

SUM: 1360 p 237

CHIBUKMAKHER, N.B., prof., TARNOPOL'SKAYA, L.A., SIROTINA, Ye.I.

The work of the Khar'kov Neurosurgical Society and minutes of sessions
in 1957. Vopr.neirokhir. 22 no.4:60-62 Jl-Ag '58   (MIRA 11:9)
(KHAR'KOV--NEUROLOGY--SOCIETIES)

CHIBUKMAKHER, N.B., prof.; SIROTINA, Ye.I.; TARNOPOL'SKAYA, L.A.

Report on acrivities of the Kharkov Neurosurgical Society and
minutes of meetings for 1958. Vop.neirokhir. 23 no.6:48-51 N-D
'59.   (MIRA 13:4)

(KHARKOV--NEUROSURGICAL SOCIETIES)

TARNOPOL'SKAYA, M. M.

25826   Tarnopol'Skaya, M. M. Pishchevaya Intorsikatsiya Svintson. Gigiena
          I Sanitariya, 1948, No. 7, S. 48-50

          SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

TARNOPOL'SKAYA, M.M.

Method of analysis of temporary loss of working capacity. Sov.
zdrav. 13 no.4:24-27 Jl-Ag '54.   (MLRA 7:9)

1. Iz Khar'kovskogo instituta gigiyeny truda i professional'nykh
zabolevaniy (dir. dotsent I.I.Semernin)
       (WORK
            capacity, statist. technics in analysis of disability)

TARNOPOL'SKAYA, M.M.

TARNOPOL'SKAYA, M.M.; OSETINSKIY, T.G.

Effect of cement dust on the respiratory organs. Sov.med. 21 no.8:
90-94 Ag '57.   (MIRA 10:12)

1. Iz Ukrainskogo tsentral'nogo instituta gigiyeny truda i profes-
sional'nykh zabolevaniy (dir. - dotsent I.I.Semernin)
        (PNEUMOCONIOSES, etiol. & pathogen,
            inhalationof cement dust (Rus))

TARNOPOL'SKAYA, M.M.; KANGELARI, S.S.; BAGROVA, S.M. (Khar'kov)

Role of prophylactic ultraviolet radiation in reducing the
incidence of colds affecting the upper respiratory tract.
Gig. truda i prof. zab. 3 no.4:46-47 Jl.-Ag '59. (MIRA 12:11)

1. Ukrainskiy institut gigiyeny truda i profzabolevaniy.
               (ULTRAVIOLET RAYS--THERAPEUTIC USE)
               (COLD (DISEASE))

KHAZAN, G.L.; TARNOPOL'SKAYA, M.M.; BATYRENKO, R.I.; GOCHAROVA, N.N.;
YEREMENKO, S.V.; KANGELARI, S.S.; KUTEPOV, V.N. (Khar'kov)

Influence of the microclimate of the plant and of indstrial
labor on the incidence of respiratory diseases among machinery
industry workers. Vrach.delo no.2:199 F '60.   (MIRA 13:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut gigiyeny truda
i professional'nykh zabolevaniy.
              (MACHINERY INDUSTRY--HYGIENIC ASPECTS)
              (RESPIRATORY ORGANS--DISEASES)

NAVROTSKIY, V.K.; TARNOPOL'SKAYA, M.M.; KONGELARI, S.S.;
NIKOLAYEVA, N.M.

State of the general immunobiological reactivity of the body
and morbidity among foundry workers. Vest. AMN SSSR 18 no.2:
32-41 '63.   (MIRA 17:7)

1. Ukrainskiy institut usovershenstvovaniya vrachey i Ukrainskiy
institut gigiyeny truda i profzabolevaniy, Khar'kov.

TARNOPOL'SKAYA, P. D. Dr. Med. Sci.

Dissertation: "X-Raying in Clinical Treatment of Colon Diseases." Acad. Med. Sci. USSR, 26 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

TARUPOL'SKAYA, P. D.

Dbr., Moscow, Nutrition Clinic, Nutrition Inst., Dept. Hygiene, Microbiology & Epidemi-
ology, Acad. Med. Sci., -cl949-. "Benign Tumors of the Stomach and Their Malignacy,"
Sov. Med., No. 6, 1949.

TARNOPOL'SKAYA, P. D.

28015. LEONT'EV, I. F. -- Yadovitoye deystviye plazmy rakovykh bol'nykh na semena rasteniy. Priroda, 1949, No. 8, S. 58-59. TARNOPOL'SKAYA, P. D. Differentsial'naya diagnostika yazvy i raka zheludka. -- SM. 27939.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

TARNOPOL'SKAYA, P. D.

27939.   TARNOPOL'SKAYA, P. D.-- Differentsial'naya diagnostika yazvy I raka zheludka.
Trudy XIII vsesoyuz. S"yezda terapevtov. L., 1949, S. 145-49.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

TARNOPOL'SKAYA, P.D., doktor meditsinskikh nauk

Differential diagnosis of begnign from cancerous ulcers of the stomach by the penicillin test. Sov.med. 19 no.2:36-40 F '55.

(MIRA 8:5)

1. Iz kliniki lechebnogo pitaniya (dir. prof. F.K.Men'shikov) Instituta pitaniya Akademii meditsinskikh nauk SSSR (dir. chlen-korrespondent Akademii meditsinskikh nauk SSSR prof. O.P.Molchanova).

(STOMACH, neoplasms,
    differ. diag. of benign from malignant ulcers, penicillin test)
(PEPTIC ULCER, pathology,
    malignant degen., differ. diag. of malignant from benign ulcers, penicillin test)
(PENICILLIN,
    test in differ. diag. of malignant from benign ulcers of stomach)

TARNOPOL'SKAYA, P.D., doktor meditsinskikh nauk (Moskva, Mozhayskoye
shosse, d.52/70, 8-y pod"yezd, kv.4)

Differentiation of malignant and benign infiltrations of the gastro-
intestinal tract [with summary in English] Vop.onk. 2 no.2:156-159
'56.   (MIRA 10:3)

1. Iz kliniki lechebnogo pitaniya (dir. - prof. F.K.Men'shikov)
Instituta pitaniya AMN SSSR (dir. - chlen-korrespondent AMN SSSR
prof. O.P.Molchanova)
      (GASTROINTESTINAL SYSTEM, neoplasms
          malignant & benign, differ. diag.)

BERLIN, L.B. [deceased], TARNOPOL'SKAYA, P.D., ALIYEVA, V.I., BEYUL, Ye.A.
YEKISENINA, N.I., KORCHEMKINA, K.M., PARAMONOVA, E.G. (Moskva).

Effect of diets with different protein content on the course of
hypertension [with summary in English]. Vop.pit. 17 no.5:19-26
S-O '58
                                                        (MIRA 11:10)

1. Iz kliniki lechebnogo pitaniya (nav. prof. F.K. Men'shikov)
Instituta pitaniya AMN SSSR, Moskva.
        (HYPERTENSION, ther.
            diet, eff. of protein content (Rus))
        (PROTEINS,
            dietary, eff. of protein content on hypertension (Rus))
        (DIET, in various dis.
            hypertension, eff. of protein content (Rus))

TARNOPOL'SKAYA, P.D.

GORDON, O.L.; MARKOVA, G.F.; OLENEVA, V.A.; TARNOPOL'SKAYA, P.D. (Moskva)

Role of penicillin in the combined therapy of peptic ulcer. Klin.
med. 36 no.2:22-26 F '58.   (MIRA 11:4)

1. Iz otdela lechebnogo pitaniya (zav. - prof. F.K.Men'shikov)
Instituta pitaniya AMN SSSR (dir. - chlen-korrespondent AMN SSSR
prof. O.P.Molchanova)
        (PENICILLIN, ther. use
          peptic ulcer, adjuvant in combined ther. (Rus))
        (PEPTIC ULCER, ther.)

TARNOPOL'SKAYA, P.D.; KORCHEMKINA, Ye.M.

Roentgenokymographic studies on functional disorders of the heart in hypertension during low-salt diet therapy. Zhur.ob. biol. 20 no.2:35-40 Mr-Ap '59. (MIRA 12:5)

1. Iz kliniki lechebnogo pitaniya (zav. - prof. F.K.Men'shikov) Instituta pitaniya AMN SSSR.
    (DIETS, in var. dis.
        low-salt, in hypertension, eff. on roentgenokymo-graphy (Rus))
    (HYPERTENSION, ther.
        low-salt diet, eff. on roentgenokymography (Rus))
    (KYMOGRAPHY,
        roentgenokymography in low-salt diet ther. of hypertension (Rus))

YEKISENINA, N.I.; TARNOPOL'SKAYA, P.D.

Use of acidophilic milk in combined therapy for patients with chronic colitis. Vop. pit. 19 no. 6:40-44 N-D '60.

(MIRA 13:10)

1. Iz kafedry lechebnogo pitaniya (zav. - prof. F.K. Men'shikov) TSentral'nogo instituta usovershenstvovaniya vrachey i Kliniki lechebnogo pitaniya (zav. - doktor meditsinskikh nauk L.M. Levitskiy) Instituta pitaniya AMN SSSR, Moskva.
            (MILK, ACIDOPHILUS) (COLITIS)

TARNOPOL'SKAYA, P.D.; ALIYEVA, V.I.

X-ray control of the effectiveness of antibiotic therapy in
postinfection colitis. Kaz. med. zhur. no.1:23-24 Ja-F '62.
                                        (MIRA 15:3)
1. Klinika lechebnogo pitaniya Instituta pitaniya AMN SSSR
(direktor - chlen-korrespondent AMN SSSR prof. A.P. Molchanova).
                    (ANTIBIOTICS)
                    (COLITIS)
              (X RAYS---THERAPEUTIC USE)

TARNOPOL'SKAYA, P.D., doktor med. nauk; BAKHADYROV, K.B., aspirant

Comparison of the intensity of excretion of some intestinal
enzymes with the motor activity of the intestines in chronic
enteritis and enterocolitis. Med. zhur. Uz b. no.9:15-19
S '62.   (MIRA 17:2)

1. Iz kliniki lechebnogo pitaniya (zav. - doktor med. nauk
L.M. Levitskiy) Instituta pitaniya AMN SSSR (dir. - chlen-
korrespondent AMN SSSR prof. A.A. Pokrovskiy).

BREMENER, S.M.; VELIKOVSKAYA, M.M.; ZUYEVA, Z.V.; LANINA, N.V.;
TARNOPOL'SKAYA, P.D.

Use of vitamin B_6 and B_{12} in compound treatment of stomach
and duodenal ulcer. Vest. AMN SSSR 18 no.2:85-87 '63.

(MIRA 17:5)

1. Nauchno-issledovatel'skiy institut vitaminologii Ministerstva
zdravookhraneniya SSSR.

TARNOPOL'SKAYA, P.D. (Moskva, G-151, Kutuzovskiy pr.,d.24,kv.135)

Roentgenological picture of intestinal motility in patients
following extensive resection of the small intestine. Vest.
rent. 1 rad. 38 no.1:24-30 Ja-F'63.   (MIRA 16:10)

1. Iz kliniki lechebnogo pitaniya (dir. - doktor med. nauk
L.M.Levitskiy) Instituta pitaniya (dir. - chlen-korrespon-
dent AMN SSSR prof. A.P.Molchanova) AMN SSSR.

ACC NR: AP6034760   SOURCE CODE: UR/0020/66/170/005/1140/1142

AUTHOR: Tarnopol'skaya, R. A.; Gul'ko, N. V.

ORG: Ukrainian Institute of Refractories (Ukrainskiy institut ogneuporov)

TITLE: Structure of the strontium oxide-zirconium dioxide system

SOURCE: AN SSSR. Doklady, v. 170, no. 5, 1966, 1140-1142

TOPIC TAGS: high temperature ceramic material, oxide ceramic, strontium oxide, zirconium dioxide, zirconate, phase diagram, refractory compound, strontium compound, zirconium compound

ABSTRACT: The $SrO-ZrO_2$ system has been restudied to check the existence of the previously reported Sr_2ZrO_4 compound and to plot the phase diagram of the system. The study is of interest for the technology of ceramics and refractories. Microscopic, x-ray, and chemical analyses of the annealed samples of various $SrO:ZrO_2$ compositions confirmed the existence of two compounds within the system, one of them $SrZrO_3$. The sample of a composition corresponding to Sr_2ZrO_4 was found to contain $Sr_5Zr_3O_{11}$ and free SrO. The newly detected $Sr_5Zr_3O_{11}$ was synthesized from the oxides at 1300—1500C and $SrZrO_3$ was formed at 1200—1400C. The compound $Sr_5Zr_3O_{11}$ melts incongruently at ~2200C yielding $SrZrO_3$. Physical properties of $Sr_5Zr_3O_{11}$ were determined. The experimental fusibility data of various $SrO:ZrO_2$ compositions differed substantially with the earlier data of H. Wartenberg and H. Werth (Zs. anorg. u allgem. chem., 190, 178 (1930)). An approximate phase diagram

Card 1/2   UDC: 541.123.2

ACC NR: AP6034760

of the $SrO-ZrO_2$ system was established which exhibits two eutectic points: 2100C and
and 2270C which correspond approximately to 80% SrO and 26% SrO, respectively. Forma-
tion of solid solutions in the system was not observed. The paper was presented
by Academician N. V. Belov, 1 Feb 66. Orig. art. has: 2 tables and 1 figure.

SUB CODE:// 07/ SUBM DATE: 31Jan66/ ORIG REF: 001/ OTH REF: 003/

Card   2/2

ACC NR: AP6034572   SOURCE CODE: UR/0020/66/170/006/1380/1382

AUTHOR: Tarnopol'skaya, R. A.; Gul'ko, N. V.

ORG: Ukrainian Scientific Research Institute of Refractories, Kharkov (Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov)

TITLE: Subsolidus structure and fusibility curve of the $SrO-Al_2O_3-ZrO_2$ system

SOURCE: AN SSSR. Doklady, v. 170, no. 6, 1966, 1380-1382

TOPIC TAGS: strontium compound, aluminum oxide, zirconium compound, phase diagram, refractory

ABSTRACT: The subsolidus structure of the $SrO-Al_2O_3-ZrO_2$ system was studied by microscopic and x-ray methods on sintered samples at 1600-2000°C. The triangulation of the system was performed and is shown in Fig. 1. Judging from the lack of change in the optical and x-ray constants of the compounds formed, no appreciable concentrations of ternary solid solutions are formed in the system. Fig. 1 also shows the fusibility curve of the system. The most fusible eutectic is located close to the eutectic of the binary system $Sr_3Al_2O_6-SrAl_2O_4$ and melts at about 1500°C. It was found that the $SrO-Al_2O_3-ZrO_2$ system contains a broad range of compositions suitable for the preparation of refractories with service temperatures up to 1600°. The x-ray analysis was performed by S. V. Lysak. The paper was presented by Academician Belov, N. V., 17
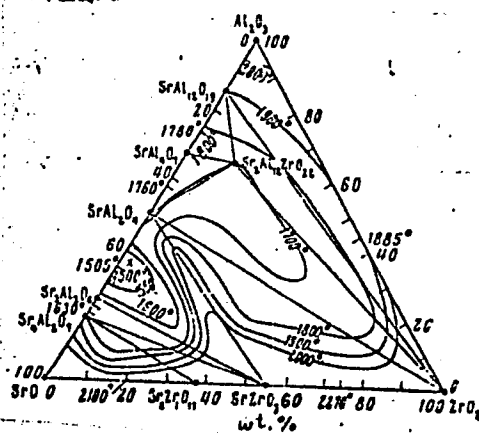
Card 1/2   UDC: 541.123.3

ACC NR: AP6034572

Feb 66.   Orig. art. has: 3 figures and 1 table.

Fig. 1

SUB CODE: 07/   SUBM DATE: 25Jan66/   ORIG REF: 003/   OTH REF: 008

Card   2/2

TARNOPOL'SKIY, A.A., inzh.; SHKLOVSKIY, Ye.I., inzh.; TYULENEV, S.D.,
inzh.; GUREVICH, E.I., inzh.; RABINOVICH, S.Yu., inzh.;
DRYAPACHENKO, B.G., inzh.; SMORODA, I.M., inzh.

Investigation of deformations in the jacket of blast furnaces
during their erection by protrusion. Prom. stroi. 42 no. 6:
9-12 '65.
(MIRA 18:12)

RODOV, S.M., inzh.; TARNOPOL'SKIY, A.A., inzh.; SHKLOVSKIY, Ye.I.,
inzh.

Experimental determination of weight of bridge cranes
using resistance indicators. Prom.stroi. 38 no.4:51-53
'60.   (MIRA 13:8)
          (Cranes, derricks, etc.)

TARNOPOL'SKIY, A.A., inzh.; TYULENEV, S.D., inzh.; SHKLOVSKIY, Ye.I., inzh.

Full-scale testing of crane-truss steel elements with 48 m. spans.
Prom. stroi. 42 no.10:21-24 0 '64.   (MIRA 17:11)

TKHRNOPOL'SKIY, A.G.

KUCHEROV, N.V

X(7)   b   PHASE I BOOK EXPLOITATION   SOV/1759

. Leningrad. Glavnaya geofizicheskaya observatoriya

Voprosy fiziki prizemnogo sloya vozdukha (Problems in the Physics of the
Near-Surface Air Layer) Leningrad, Gidrometeoizdat, 1958, 108 p
(Series: Its Trudy, vyp. 77) 1,500 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy
sluzhby

Ed. (title page): D.L. Laykhtman, Doctor of Physical and Mathematical
Sciences; Ed. (inside book): Yu.V. Vlasova; Tech. Ed.: A.N. Sergeyev

PURPOSE: This collection of articles is intended for scientists interested in the
processes that take place in the boundary layer of the atmosphere.

COVERAGE: This publication contains 15 articles dealing with the physical processes
of near-surface air masses. The research work was done in 1956. The basic work
is related to the formation of hoarfrost and fog and to the effect of the con-
densation processes on thermal conditions. Some articles deal with the methods
for measuring and computing the main meteorologic features of the near surface
Card 1/4   air masses, others with the problem of atmospheric turbulence. The
articles are elucidated with charts, diagrams, and tables.

Shneyderov, V.A. The Relation Between the Non-stable Pressure Fields and the
Wind Distribution in a Boundary Layer   65

Turnopol'skiy, A.G. Common Determination of the Nature of Meteorologic
Elements and of the Specific Quantitative Features in a Atmospheric
Boundary Layer   72

Tseytin, G.Kh. Certain Methods for Determining the Coefficient of
Horizontal Turbulent Diffusion   76

Gorbunova, I.G., Y.V.D'yachkova, and E.V. Serova. Results of the
Measurement of Specific Thermophysical Properties of Soil Under
Natural Conditions   79

Gandin, L.S., and R.E. Soloveychik. The Distribution of Industrial
Smoke   84

Card 3/4

TARNOPOL'SKIY, A.G.

Simultaneous determination of profiles of meteorological elements
and quantitative characteristics of turbulence in the boundary layer
of the atmosphere. Trudy GGO no.77:72-75 '58.   (MIRA 12:4)
     (Atmospheric turbulence)   (Meteorology)

TARNOPOL'SKIY, A.G.

A squall of extreme violence. Meteor.i gidrol. no.7:35-36 Jl '61.
(MIRA 14:6)

(Kudymkar region—Storms)

ANDRUSON, M.V., kand.med.nauk; TARNOPOL'SKIY, A.I., kand.med. nauk

Expediency of training Filatov's graft by means of pressing
one of its pedicles; brief report. Trudy Ukr. nauch.-issl.
inst. ortop. i travm. no. 15:85-87 '59.   (MIRA 16:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta orto-
pedii i travmatologii imeni prof. M.I.Sitenko (dir.-chlen
korrespondent AMN SSSR, prof. N.P.Novachenko).

TARNOPOL'SKIY, A.M. (g. Stalino, Donbass, ul. Kabozeva, 4-y dom Oblispolkoma, kv.3.)

Primary lymphosarcoma of the ileocecal region [with summary in English]
Vop. onk. 3 no.1:99-100 '57   (MIRA 10:4)

1. Iz kliniki fakul'tetskoy khirurgii (zav.-prof. K.T. Ovnatanyan)
na baze oblastnoy klinicheskoy bol'nitsy im. K.Ye. Voroshilova
(glavnyy vrach-N.I. Lyutaya), gor, Stalino.
        (LYMPHOSARCOMA, case reports
            COLON ileocecal region in 14-year-old boy)
        (COLON, neoplasms
            lymphosarcoma of ileocecal region in 14-year-old boy)
        (ILEUM, neoplasms
            same)

TARNOPOL'SKIY, A.M. (Donetsk, bul'var Pushkina, d.1. kv.3)

Tracheostomy in respiratory insufficiency. Nov. khir. arkh. no.12:
32-36 D '61.   (MIRA 14:12)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. K.T. Ovnatanyan)
Donetskogo meditsinskogo instituta.
                           (TRACHEA--SURGERY)

TARNOPOL'SKIY, A.M.

Surgical complications in lymphogranulomatosis of the small
intestine. Khirurgiia 39 no.6:119-122 Je '63.   (MIRA 17:5)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. K.T. Ovnatanyan)
Donetskogo meditsinskogo instituta imeni A.M. Gor'kogo na baze
Donetskoy oblastnoy klinicheskoy bol'nitsy imeni N.I. Kalinina
(glavnyy vrach V.F. Zubko).

OVNATANYAN, K.T., prof.; TARNOPOL'SKIY, A.M.

Some heterotopic formations in the gastrointestinal tract.
Azerb.med.zhur. 40 no.1:37-41 Ja '63.   (MIRA 16:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof.
K.T. Ovnatanyan) Donetskogo meditsinskogo instituta imeni
A.M. Gor'kogo (rektor - doktor med.nauk A.M. Ganichkin) na
baze oblastnoy khlinicheskoy bol'nitsy imeni M.I. Kalinina
(glavnyy vrach - V.F. Zubko).
        (ALIMENTARY CANAL--ABNORMITIES AND DEFORMITIES)

TARNOPOL'SKIY, A.M.

Some characteristics of the clinical course of sarcomas of the small
intestine. Azerb. med. zhur. 40 no.5:17-23 My '63.   (MIRA 17:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Donetskogo meditsinskogo
instituta na baze Donetskoy oblastnoy bol'nitsy imeni Kalinina.

OVNATANYAN, K.T., zasluzhenryy deyatel' nauki, prof.; TARNOPOL'SKIY, A.M.

Tumors of the small intestine. Klin. khir. no.1:26-33   '65.
(MIRA 18:8)

1. Fakul'tetskaya khirurgicheskaya klinika (zav. - prof. K.T. Ovnatanyan) Donetskogo meditsinskogo instituta imeni Gor'kogo.

GAFANOVICH, A.A., kand.tekhn.nauk; TARNOPOL'SKIY, B.L., inzh.

Applying the Kross method for calculating the strength of
wheels. Sel'khozmashina no.7:28-30 Jl '57.   (MIRA 11:1)
(Wheels)

S/2910/63/003/01-/0129/0137

ACCESSION NR: AT4041503

AUTHOR: Ivanova, A. V., Ivanova, A. N., Prikhozhenko, A. I., Pyatetskiy-Shapiro, I. I., Tarnopol'skiy, B. L.

TITLE: Calculation of the electron shells of some atoms by the Hartree - Fock method

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik, v. 3, no. 1-2, 1963, 129-137

TOPIC TAGS: quantum mechanics, electron shell, Hartree Fock method, electron con-figuration, computer programming, single configuration approximation, field theory, boundary value problem, iteration procedure, lithium atom, nitrogen ion, photoionization

ABSTRACT: A program for computer solution of the classical Hartree-Fock, self-consistent field equations was written, using the single-configuration approximation and neglecting the influence of the ionizing electron. For a discrete spectrum the method centers around the iteration solution of the following type of equation:

$$\frac{d^2y}{dr^2} + V(r)y + \int_0^\infty G(r, r')y(r')dr' = \varepsilon y \qquad (1)$$

Card 1/3

ACCESSION NR: AT4041503

where

$$y(0), \quad y(\infty) = 0,$$ (2)

$$\int_0^\infty y^2(r)\, dr = 1.$$

for the eigen values $\mathcal{E}$. Helfond's method, as described by O. V. Lokutsiyevskiy (Uspekhi Matom. Nauk, XI, 3, (69), 224, 1956), is used for solution of the boundary value problem. The iteration procedure starts with $y^0(0) = 0$, and solves for $y^{(1)}(r)$ and $\mathcal{E}'$, after which the integral portion of the equation is computed. From this a correction factor for the eigen value is obtained. A special iteration process is used for computation of $y_1(r,\mathcal{E})$ and $y_2(r,\mathcal{E})$ to obtain a convergent solution and prevent computer saturation. Four auxiliary subprograms are used and can be adapted to solutions for any state. The control program must be rewritten for each system separately. A similar program is used for continuous spectrum solutions. A separate subprogram is used to check the formation of the maxima of the normalization function for the continuous case. The program was used to compute wave functions of L_i which are given in a table. The continuous spectrum wave functions were then used to compute the cross-sections of photoionization of the N^{+4} ion. Both ground and excited states are listed. Orig. art. has: 37 equations and 2 tables.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR, Moscow (Institute of Chemical Physics, AN SSSR)

Card   2/3

ACCESSION NR: AT4041503

SUBMITTED: 00

SUB CODE: GP,DP   NO REF SOV: 001

ENCL: 00

OTHER: 001

Card   3/3

TARNOPOL'SKIY, B.L.; ANDRIANOV, V.I.

Programming of some structural problems on a large electronic computer.
Zhur.strukt.khim. 4 no.3:433-444 My-Je '63.   (MIRA 16:6)

1. Filial Instituta khimicheskoy fiziki AN SSSR.
   (Programming (Electronic computers)) (Crystallography)

TARNOPOL'SKIY, B.L.

Automation of the basic calculations of structural analysis connected
with calculation of arbitrary symmetry groups. Zhur.strukt.khim.
4 no.6:892-901 N-D '63.   (MIRA 17:4)

1. Filial Instituta khimicheskoy fiziki AN SSSR.

TARNOPOL'SKIY, D.M.

Manual training in workshops for the fifth, sixth, and seventh grades. Politekh.obuch. no.11:39-51 N '58.   (MIRA 11:12)

1. Srednyaya shkola No.96 g. Kiyeva.
                (Manual training).

Bristle, hair and brush industry Moskva, Gos. izd-vo lez oi prom shl., 1941. 13 p.
(Uchebniki i uchebnye posobiia dlia shkol FZU) (51-45159)

TS2301.B8T3

ZATONSKIY, A.S.; TARNOPOL'SKIY, G.M.; LARIONENKO, N.A.; OSTROUMOV, A.V.;
ZAKHAR'YANTS, V.N.; YAKOVLEV, G.P.; LOBANOV, T.F.; KUZNETSOV, P.T.;
MERKULOV, A.I.

Maximum satisfaction of the needs of the population is the most im-
portant duty of communication workers. Vest.sviasi 14 no.2:23-25 F '54.
(MLRA 7:5)

1. Nachal'nik otdela pochtovoy svyasi (for Zatonskiy). 2. Nachal'nik
otdela vnutrirayonnoy svyasi (for Tarnopol'skiy). 3. Zamestitel' nachal'-
nika telefonno-telegrafnogo otdela (Larionenko). 4. Nachal'nik telegrafa
(for Ostroumov). 5. Nachal'nik pochtamta (for Zakhar'yants). 6. Nachal'-
nik mezhdugorodnoy telefonnoy stantsii (for Yakovlev). 7. Glavnyy inzhener
oblastnogo upravleniya svyasi (for Lobanov). 8. Zamestitel' nachal'nika
oblastnogo upravleniye svyasi (Kuznetsov). 9. Nachal'nik oblastnogo uprav-
leniya svyazi (for Merkulov).
(Telecommunication)

TARNOPOL'SKIY, I.A. (L'vov)

Form for casting dies in making crowns. Stomatologiia 37 no.5:
74-75 S-O '58   (MIRA 11:11)
            (DENTRISTRY---METALLURGY)

TARNOPOL'SKIY, I.A.

       Some modifications of the plaster method of determining
       central occlusion of toothless jaws. Stomatologiia 43 no.1:
       100 Ja-F'64   (MIRA 17:4)

       1. Meditsinskoye uchilishche No.2 (dir. M.T. Aleksandrova)
       L'vov.

TARNOPOL'SKIY, I.M. [Tarnopols's'kyi, I.M.]

Double-ply nonwoven textile fabrics. Leh.prom. no.2:19 Ap-Je '65.
(MIRA 18:10)

MOGILEVSKIY, G.F., inzh.; TARNOPOL'SKIY, M.D., inzh.

Construction of the covering of the machine room of a
thermal electric power plant. Elek. sta. 35 no.5:28-32 My '64.
(MIRA 17:8)

L 24802-66   EWT(1)/EWP(m)/EWA(d)/EWA(1)

ACC NR: AP6014992   SOURCE CODE: UR/0170/66/010/005/0628/0631

AUTHOR: Tarnopol'skiy, M. D.; Khromushin, G. I.

ORG: None

TITLE: On the parameters of two-dimensional separated flows

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 5, 1966, 628-631

TOPIC TAGS: supersonic aerodynamics, compressible flow, turbulent mixing, turbulent flow, separated flow, boundary layer, boundary layer thickness

ABSTRACT: The results of computer computations of the parameters of an incompressible gas flow in a self-similar turbulent mixing region after its separation from a solid surface are presented. A solution is obtained for the complete equation of a two-dimensional turbulent compressible gas flow in the Tollmien formulation for the whole mixing region at i_0 = const. (stagnation enthalpy) and Pr_t = 1. Two different sets of boundary conditions are considered. A dimensionless velocity profile at the separating streamline which corresponds to the mass flow rate G_s for an open stagnation region is determined, also the angular size of the region. The effect of the boundary layer momentum thickness θ^{xx} of the initial boundary layer on the parameters of the retarded flow is determined and analyzed. By assuming the similarity of a jet flow beginning at a certain coordinate x/θ^{xx}, a formula is derived for evaluating the effect considered here. Orig. art. has: 2 figures and 7 formulas.   [AB]

SUB CODE: 20/ SUBM DATE: 23Nov65/ ORIG REF: 003/ OTH REF: 001/ ATD Press: 4250

UDC: 532/503.2

Card 1/1

L 44301-66   EWT(1)/EWP(m)

AUTHOR: Tarnopol'skiy, M. D.; Golikov, Ye. S.

ORG: none

TITLE: Problem of determining the bottom pressure for the step in a broken flow

TOPIC TAGS: gas flow, compressible flow, boundary layer flow

ABSTRACT: The step in a flat-parallel compressible gas flow has been determined according to the Korst scheme (H. H. Korst, Journ. of Appl. Mech. 23, No. 4, 1956) under boundary conditions of Tollmien and Dem'yanov-Shmanenkov. The value of the bottom pressure for the given M and x appears to be higher under the Dem'yanov-Shmanenkov boundary conditions. The effect of the initial boundary layer.

Card 1/2

L 44301-66

ACC NR: AP6018097

the conditions of attachment of a broken flow, and injection into a stagnant region have been taken into account. Under the Korst-Chapman scheme, there is a limit to the increase in the rate of gas flow from a bottom region. Orig. art. has: 4 figures and 6 formulas. [Based on authors' abstract]   [NT]

SUB CODE: 20/ SUBM DATE: 05Feb66/   ORIG REF: 001/   OTH REF: 002/

Card 2/2

ARINSHTEYN, B.N.; TARNOPOL'SKIY, R.R.

[Short prescription manual with elements of Latin grammar; an aid
for medical personnel and for young doctors] Kratkii spravochnik
po retsepture s elementami latinskoi gramoty; v pomoshch' sredne-
my medpersonalu i nachinaiushchim vracham. Tomsk, Izd-vo tomskogo
universiteta, 1957. 187 p.   (MIRA 11:9)
                    (PRESCRIPTION WRITING)

AUTHOR: Tarnopol'skiy, V.G. (Krivoy Rog)   SOV/140 -58-1-17/21

TITLE: On a Property of the Space of Sequences (Ob odnom svoystve
             prostranstva posledovatel'nostey)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego
             obrazovaniya SSSR,Matematika,1958,Nr 1, pp 158 - 160 (USSR)

ABSTRACT: Let s be the space of all real numerical sequences with
             convergence in the single coordinates. Every linear functional
             f defined in s has the form

$$f_x = \sum_{k=1}^{N} f_k x_k \; ,$$ where N depends on f. Every

             functional f given in s can consequently be identified with
             the sequence $(f_1, f_2,\ldots, f_N, 0,0,\ldots)$. In this sense the
             conjugate space $\bar{s}$ is understood as a subset of s. The scalar
             product f · x has a sense in the space s, where $x \in s$ and
             $f \in \bar{s}$. Let M be a set in s. The set P of all functionals $f \in \bar{s}$
             which are orthogonal to all $x \in M$ is called the orthogonal
             complement of M.

Card 1/2

On a Property of the Space of Sequences

Theorem : Let $x^{(1)}, x^{(2)}, \ldots, x^{(n)}$ be n elements of s. If their linear envelope contains no functionals, then the orthogonal complement of the envelope is everywhere dense in s.

There are 2 Soviet references.

ASSOCIATION: Krivorozhskiy pedagogicheskiy institut (Krivoy Rog Pedagogic-al Institute)

SUBMITTED: October 9, 1957

Card 2/2

16(1)   SOV/140-59-2-24/30

AUTHOR: Tarnopol'skiy, Y.G.

TITLE: On Jacobian Matrices (O Matritsakh Yakobi)

ABSTRACT: The author considers a Jacobian matrix J with the elements a_{ik}
               $a_{ik} = 0$ for $k < i-1$, $a_{ik} = c_{i-1}$ for $k = i-1$, $a_{ik} = a_i$ for $k = i$,
               $a_{ik} = b_i$ for $k = i+1$, $a_{ik} = 0$ for $k > i+1$. Let D_i be the i-th

               principal minor of J, $a_1' = a_1$, $a_i' = \dfrac{D_i}{D_{i-1}}$ for $i > 1$.

               Theorem: If all principal minors of J are different from zero,
               then there holds the relation $SJ = T$, where

Card 1/3

On Jacobian Matrices

$$S \left\| \begin{array}{cccc} 1 \\ \lambda_1 & 1 \\ \lambda_1\lambda_2 & \lambda_2 & 1 \\ \hline \\ \prod_{m=1}^{i-1}\lambda_m & \prod_{m=2}^{i-1}\lambda_m & \cdots & 1 \\ \hline \end{array} \right\| , \quad \lambda_i = -\frac{c_i}{a_i}; \quad T = \left\| \begin{array}{ccc} a_1' & b_1 \\ & a_2' & b_2 \\ & & a_3' & b_3 \\ \hline \\ \hline \end{array} \right\|$$

Theorem: If all principal minors of the Jacobian matrix J are different from zero and the series

$$\gamma_i = \frac{1}{a_i'} + \sum_{p=1}^{\infty} \frac{\nu_i \nu_{i+1} \cdots \nu_{i+p-1}}{a'_{i+p}} ,$$

where $\nu_i = \lambda_i \mu_i$, $\lambda_i = -\frac{c_i}{a_i'}$, $\mu_i = -\frac{b_i}{a_i'}$, converges, then there exists the matrix J^{-1}:

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On Jacobian Matrices

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$$Z^{-1} = \begin{vmatrix} \gamma_1 & \mu_1\gamma_1 & \mu_1\mu_2\gamma_1 & \cdots & \gamma_i\prod_{m=1}^{k-1}\mu_m \\ \lambda_1\gamma_1 & \gamma_2 & \mu_2\gamma_2 & \cdots & \gamma_2\prod_{m=2}^{k-1}\mu_m \\ \lambda_1\lambda_2\gamma_1 & \lambda_2\gamma_2 & \gamma_3 & \cdots & \gamma_3\prod_{m=3}^{k-1}\mu_m \\ & & & & \gamma_k \\ \gamma_1\prod_{m=1}^{i-1}\lambda_m & \gamma_2\prod_{m=2}^{i-1}\lambda_m & & & \end{vmatrix}$$

There are 2 Soviet references.

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16(

AUTHOR: Tarnopol's'kyy, V.G.

TITLE: On the Self-Conjugation of Difference Operators With Operator Coefficients

ABSTRACT: The author examines the difference operator resulting from a difference expression $L[u]_j = A_{j-1} u_{j-1} + B_j u_j + A_j u_{j+1}$, where u is a sequence of elements of Hilbert's space H, and A_j, B_j are bounded, self-conjugating operators in H. Certain conditions suf-

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On the Self-Conjugation of Difference Operators With Operator
Coefficients

ficient for the self-conjugation of the difference
operator are obtained in two theorems, which con-
stitute a generalization of the corresponding theo-
rems of the classical moment problem $\lfloor$ Ref 1$\rfloor$, of
the matrix moment problem $\lfloor$ Ref 2$\rfloor$, and partially
of the theory of equations in partial differences
$\lfloor$ Ref 3$\rfloor$.   Gratitude is expressed to Yu.M. Berezans'-
kyy for his contribution.   There are 5 references,
4 of which are Soviet and 1 English.

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